Spray nozzle

Patent number:	CH646619
Publication date:	1984-12-14
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Classification:	
- international:	B05B1/34; B05B11/06; B65D83/14
- european:	B05B1/34; B05B1/34A3B4D; B05B7/04C1; B65D83/16B1
Application number:	CH19780002024 19780224
Priority number(s):	CA19770288724 19771014

Abstract of **CH646619**

In order to allow a high spraying quality of the product to be sprayed, even at low pressure and, if possible, without the use of propellent gas or an air pump, the spray nozzle has a turbulence system. This comprises four tangential corridors (36) which are each connected by means of their inlet orifice (36a) at right angles at the front end of one of the axial feed lines (35) and which each extend askew to the nozzle mid-axis, in a plane intersecting this axis at right angles, and open tangentially from outside into a common first, outermost annular chamber (37). Their entrances (36b) are distributed symmetrically about the outer circumferential wall (37a) of the annular chamber (37) and with the circumferential wall form the guide edges (36c). Four corridors (38) of the next following turbulence stage lead from the annular chamber (37) inwards relative to the nozzle into a second, inner annular chamber (39) which surrounds a peg-like deflecting projection (40) projecting out of the plane defined by the bottom face of the entering corridors (36), as far as a point near the entrance to the outlet orifice.